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PCT #2

1585 WO/US
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Gary L. Cantrell et al.
Art Unit: Not Yet Received
Serial No.: 10/530,446
Filed: April 5, 2005
Confirmation No.: Not Yet Received
For: PROCESS FOR THE PREPARATION OF QUATERNARY
N-ALKYL MORPHINAN ALKALOID SALTS

June 29, 2005

COMMISSIONER FOR PATENTS
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ALEXANDRIA, VIRGINIA 22313-1450

SIR:

INFORMATION DISCLOSURE STATEMENT

In accordance with 37 C.F.R. 1.97 and 1.98 and MPEP 609, and
in compliance with the duty of disclosure set forth in 37 C.F.R.
* 1.56, applicants submit the attached PTO/SB/08A for consideration
by the Patent and Trademark Office in the above-entitled
application and to be made of record therein.

Applicants submit herewith copies of the foreign patent
documents and literature references.

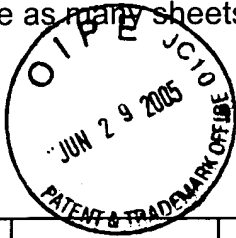
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KA/clh

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PTO/SB/08A				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/530,446
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				First Named Inventor	Gary L. Cantrell
				Group Art Unit	Not Yet Received
				Examiner Name	Not Yet Received
Sheet	1	of	2	Attorney Docket No.	1585 WO/US



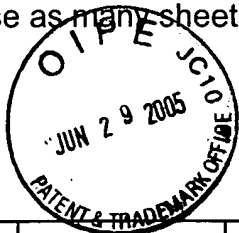
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	1	4,141,897		Olofson et al.	02-27-1979
	2	4,176,186		Goldberg et al.	11-27-1979
	3	4,322,426		Hermann et al.	03-30-1982
	4	4,535,157		Meltzer et al.	08-13-1985
	5	5,240,933		Merz et al.	08-31-1993
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	7	5,574,159		Chang et al.	11-12-1996
	8	5,668,285		Rice et al.	09-16-1997
	9	5,869,669		Huang et al.	02-09-1999
	10	5,907,069		Becnel et al.	05-25-1999
	11	5,922,876		Huang et al.	07-13-1999
	12	5,948,788		Huang et al.	09-07-1999
	13	5,952,495		Huang et al.	09-14-1999
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	15	6,008,354		Huang et al.	12-28-1999
	16	6,008,355		Huang et al.	12-28-1999
Examiner Signature				Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached.

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Sheet	2	of	2	Attorney Docket No.	1585 WO/US



	17	6,013,796		Huang et al.	01-11-2000
	18	6,365,742	B1	Mudryk et al.	04-02-2002

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code ² (if known)			
	19	WO	95/31463	A1	Astra Aktiebolag	11-23-1995	
	20	WO	2004/005294	A2	Helmut Schmidhammer	01-15-2004	A

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	21	BOGNÁR, R., et al., "Selective Quaternization in the Morphine Series," <i>Tetrahedron Letters</i> , 1964, Pages 2867-2871, Number 39	
	22	International Search Report for PCT/US03/35463 dated July 1, 2004, 3 pages	
	23	IORIO, M.A., et al., "Diastereoisomeric Quaternary Morphinium Salts: Synthesis, Stereochemistry and Analgesic Properties," <i>European Journal of Medicinal Chemistry</i> , 1984, Pages 11-16, Volume 19, Number 1	
	24	MANOHARAN, T.S., et al., "Convenient Method for Replacement of Tertiary N-Methyl by Other Alkyl Groups: Application to Morphine Alkaloids," <i>Indian Journal of Chemistry</i> , January 1984, Pages 5-11, Volume 23B	

Examiner Signature		Date Considered	
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